

10/581810

**NATIONAL PHASE  
UTILITY APPLICATION****Transmittal to the (DO/EO/US)  
Under 35 USC 371**

Attorney Docket No.: HERR13.001APC  
First Named Inventor: Miguel Luis Mora Ortega  
Int'l Application No.: PCT/ES2004/000529  
Int'l Filing Date: November 26, 2004  
Priority Date Claimed: December 4, 2003  
Title: USE OF GENE NCSAG4 FOR THE DIAGNOSIS AND  
PREVENTION OF NEOSPOROSIS AND AS A MARKER  
FOR ANALYSIS OF THE PATHOGENESIS  
Express Mail Label No.: EV815168256US

**Direct all correspondence to Customer No.: 20995**Date: June 2, 2006  
Page 1 of 2**Mail Stop PCT**

United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria VA 22313-1450

The following enclosures are transmitted herewith to be filed in the patent application of:

**Inventors:**

1. Miguel Luis Mora Ortega
2. Aurora Garcia Fernandez

**APPLICATION ELEMENTS:**

- (X) This is a FIRST submission of items concerning a filing under 35 U.S.C. § 371.
- (X) A copy of the International Application as filed (35 U.S.C. § 371(c)(2)) has been communicated by the International Bureau.
- (X) An English translation of the International Application as filed is attached hereto.
- (X) Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. § 371(c)(3)) have not been and will not be made.

**OTHER APPLICATION PARTS:**

- (X) Preliminary Amendment in 7 pages.
- (X) Abstract in 1 page.
- (X) Replacement drawings in 7 sheets.
- (X) Cover page of PCT publication WO 2005/053505.
- (X) Copy of International Search Report.
- (X) Return prepaid postcard.

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Date: June 2, 2006 Page 2 of 2	

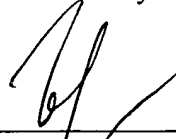
**FILING FEES:**

The present application qualifies for Small Entity Status under 37 CFR 1.27.

FEE CALCULATION				
FEE TYPE & DETERMINATION		SMALL FEE	CALCULATION	TOTAL
Basic Filing Fee under 1.492(a)		2631 (\$150)		\$150
Search Fee under 1.492(b) ( <i>enter one in TOTAL column</i> )				
(1) USPTO was ISA/IPEA & claims satisfy Art. 33 (1)-(4)		2640 (\$0)		\$200
(2) USPTO was the ISA (noncompliant claims)		2641 (\$50)		
(3) Foreign Search Report Enclosed		2642 (\$200)		
(4) No Search Report Enclosed		2632 (\$250)		
Examination Fee under 1.492(c) ( <i>enter one in TOTAL column</i> )				
(1) USPTO was ISA/IPEA & claims satisfy Art. 33 (1)-(4)		2643 (\$0)		\$100
(2) Non US IPEA or Noncompliant Claims		2633 (\$100)		
Excess Claims	31 - 20 = 11	2615 (\$25)	11 x 25 =	\$275
Excess Ind. Claims	4 - 3 = 1	2614 (\$100)	1 x 100 =	\$100
Multiple Dep. Claim		2616 (\$180)		\$180
Application Size Fee	0 - 100 = 0	2681 (\$125)	0 x 125 =	\$0
			<b>TOTAL FEE DUE</b>	<b>\$1,005</b>
<b>TOTAL FEE PAID (If Different Than Fee Due)</b>				<b>\$</b>

(X) A check in the amount of **\$1,005** to cover the Total Fee Due is enclosed.

The Commissioner is hereby authorized to charge any additional fees which may be required, now or in the future, or credit any overpayment to Account No. 11-1410.

  
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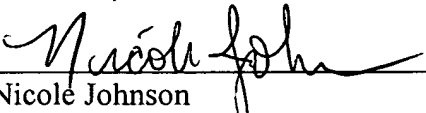
## CERTIFICATE OF MAILING BY "EXPRESS MAIL"

**Attorney Docket No.** : HERR13.001APC  
**Applicant(s)** : Ortega et al.  
**For** : USE OF GENE NCSAG4 FOR THE  
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ANALYSIS OF THE PATHOGENESIS  
**Agent** : Marina L. Gordey  
**"Express Mail" Label No.:** EV815168256US  
**Date of Deposit** : June 2, 2006

I hereby certify that the accompanying

Transmittal letter; Preliminary Amendment in 7 pages; Abstract in 1 page;  
Replacement drawings in 7 sheets; English translation of specification in 32  
pages; cover page of PCT publication; International Search Report; Check for  
Filing Fee; Return Prepaid Postcard

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